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EEEEEEEEEEEEEEEEEE DDDDDDDDDDDDDDD TTTTTTTTTTTTTTTT
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**EXI**

Mod

EDT

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```
CCCCCCCC  AAAAAA  LL      LL      WW      WW      IIIIII  000000
CCCCCCCC  AAAAAA  LL      LL      WW      WW      IIIIII  000000
CC         AA      AA  LL      LL      WW      WW      II      00      00
CC         AA      AA  LL      LL      WW      WW      II      00      00
CC         AA      AA  LL      LL      WW      WW      II      00      00
CC         AA      AA  LL      LL      WW      WW      II      00      00
CC         AA      AA  LL      LL      WW      WW      II      00      00
CC         AA      AA  LL      LL      WW      WW      II      00      00
CC         AA      AA  LL      LL      WW      WW      II      00      00
CC         AA      AA  LL      LL      WWW      WWW      II      00      00
CC         AA      AA  LL      LL      WWW      WWW      II      00      00
CC         AA      AA  LL      LL      WWW      WWW      II      00      00
CCCCCCCC  AA      AA  LLLLLLLLLL LLLLLLLLLL WW      WW      IIIIII  000000
CCCCCCCC  AA      AA  LLLLLLLLLL LLLLLLLLLL WW      WW      IIIIII  000000

LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLL IIIIII  SSSSSSSS
LLLLLLLLLL IIIIII  SSSSSSSS
```

```
0001 0 %TITLE 'EDT$CALLWIO - calls WORKIO routine'
0002 0 MODULE EDT$CALLWIO (
0003 0 IDENT = 'V04-000'
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0025 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0026 1 *
0027 1 *****
0028 1
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 This routine calls the basic work I/O routine used by EDT.
0037 1
0038 1 ENVIRONMENT: Runs on Vax/Vms
0039 1
0040 1 AUTHOR: Shelly T. Solomon, CREATION DATE: 27-Jan-1982
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. STS 27-Jan-1982
0045 1 1-002 - Signal bad status returned. STS 09-Mar-1982
0046 1 1-003 - Deallocate as much as possible if signalling. STS 09-Mar-1982
0047 1 1-004 - Don't enable a handler. STS 18-Mar-1982
0048 1 1-005 - Take out reference to work_rout on 11's. STS 02-Jun-1982
0049 1 1-006 - Enable a handler. STS 21-Jul-1982
0050 1 1-007 - Improve the appearance of the listing. JBS 13-Jun-1983
0051 1 --
0052 1
```



EDT\$CALLWIO  
V04-000

EDT\$CALLWIO - calls WORKIO routine  
Declarations

6 8  
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DISK\$VMSMASTER:[EDT.SRC]CALLWIO.BLI;1 Page 2 (2)

```
.. 54      0053 1 %SBTTL 'Declarations'
.. 55      0054 1
.. 56      0055 1  TABLE OF CONTENTS:
.. 57      0056 1
.. 58      0057 1
.. 59      0058 1  REQUIRE 'EDT$SRC:TRAROUNAM';
.. 60      0497 1
.. 61      0498 1  FORWARD ROUTINE
.. 62      0499 1    EDT$CALLWIO;
.. 63      0500 1
.. 64      0501 1
.. 65      0502 1  LINKAGES
.. 66      0503 1
.. 67      0504 1
.. 68      0505 1  LINKAGE
.. 69      0506 1    IOCALL = CALL (REGISTER = 1);      ! special linkage for work routine
.. 70      0507 1
.. 71      0508 1
.. 72      0509 1  INCLUDE FILES:
.. 73      0510 1
.. 74      0511 1
.. 75      0512 1  REQUIRE 'EDT$SRC:EDTREQ';
.. 76      0647 1
.. 77      L 0648 1  %IF %BLISS (BLISS32)
.. 78      0649 1  %THEN
.. 79      0650 1
.. 80      0651 1  REQUIRE 'EDT$SRC:SYSSYM';
.. 81      0681 1
.. 82      0682 1  %FI
.. 83      0683 1
.. 84      0684 1
.. 85      0685 1  MACROS:
.. 86      0686 1
.. 87      0687 1    NONE
.. 88      0688 1
.. 89      0689 1  EQUATED SYMBOLS:
.. 90      0690 1
.. 91      0691 1    NONE
.. 92      0692 1
.. 93      0693 1  EXTERNAL REFERENCES:
.. 94      0694 1
.. 95      0695 1    in the routine
.. 96      0696 1
```

EDT\$CALLWIO  
V04-000

EDT\$CALLWIO - calls WORKIO routine  
EDT\$CALLWIO - Calls EDT work I/O routine

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DISK\$VMSMASTER:[EDT.SRC]CALLWIO.BLI;1  
Page 3  
(3)

```

98 0697 1 %SBTTL 'EDT$CALLWIO - Calls EDT work I/O routine'
99 0698 1
100 0699 1 GLOBAL ROUTINE EDT$CALLWIO (           ! Calls EDT work I/O routine
101 0700 1     CODE,                               ! Operation code
102 0701 1     RECORD_NO,                         ! Record number
103 0702 1     RECORD_DESC,                       ! Record descriptor
104 0703 1     ) : =
105 0704 1
106 0705 1 ++
107 0706 1 FUNCTIONAL DESCRIPTION:
108 0707 1
109 0708 1 This routine sets up a condition handler and then calls the designated
110 0709 1 work I/O routine.
111 0710 1
112 0711 1 FORMAL PARAMETERS:
113 0712 1
114 0713 1 CODE - the operation to be performed, whether open, close, read or write
115 0714 1
116 0715 1 RECORD_NO - the number of the record to be read or put
117 0716 1
118 0717 1 RECORD_DESC - a descriptor pointing to the place to put the record read, or
119 0718 1 to find the record written
120 0719 1
121 0720 1 IMPLICIT INPUTS:
122 0721 1
123 0722 1     NONE
124 0723 1
125 0724 1 IMPLICIT OUTPUTS:
126 0725 1
127 0726 1     NONE
128 0727 1
129 0728 1 COMPLETION STATUS:
130 0729 1
131 0730 1     Same as WORKIO
132 0731 1
133 0732 1 SIDE EFFECTS:
134 0733 1
135 0734 1     NONE
136 0735 1
137 0736 1 --
138 0737 1
139 0738 2 BEGIN
140 0739 2
141 L 0740 2 %IF %BLISS (BLISS32)
142 0741 2 %THEN
143 0742 2
144 0743 2 EXTERNAL ROUTINE
145 0744 2 EDT$SWIOHNDLR,
146 0745 2 EDT$SSC_RESET,
147 0746 2 EDT$SDEX_ALLHEAP,
148 0747 2 STR$FREED_DX;
149 0748 2
150 0749 2 EXTERNAL
151 0750 2 EDT$SA_WORK_ROUT,           ! address of routine for work I/O
152 0751 2 EDT$SG_WORK_ENV,         ! file routine environment word
153 0752 2 EDT$SG_EDIT_MOD;
154 0753 2
```

EDT\$CALLWIO  
V04-000

EDT\$CALLWIO - calls WORKIO routine  
EDT\$CALLWIO - Calls EDT work I/O routine

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VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]CALLWIO.BLI;1 Page 4 (3)

```

155 U 0754 2 %ELSE
156 U 0755 2
157 U 0756 2     EXTERNAL ROUTINE
158 U 0757 2     EDT$WORKIO;
159 U 0758 2
160 0759 2 %FI
161 0760 2
162 0761 2     LOCAL
163 0762 2     STATUS;
164 0763 2
165 0764 2     MESSAGES ((PASSTATUS));
166 0765 2
167 0766 2 + The following call is a general routine call using the linkage defined
168 0767 2 as iocall. i.e. what is happening is that a call is being made to the
169 0768 2 routine whose address is contained in the variable EDT$$A_WORK_ROUT.
170 0769 2 The contents of the variable EDT$$G_WORK_ENV is first put into register 1
171 0770 2 for the call. (This is done because of the requirements of callable EDT
172 0771 2 where the user can specify his own work routine and some high-level
173 0772 2 languages require an environment word to be passed in register 0.)
174 0773 2 The remaining three parameters in the list are the actual parameters
175 0774 2 passed to the work I/O routine.
176 0775 2
177 0776 2
178 L 0777 2 %IF %BLISS (BLISS32)
179 0778 2 %THEN
180 0779 2
181 0780 2     ENABLE
182 0781 2     EDT$$WIOHNDLR ();
183 0782 2
184 0783 2     STATUS = IOCALL (.EDT$$A_WORK_ROUT, .EDT$$G_WORK_ENV, %REF (.CODE), .RECORD_NO, .RECORD_DESC);
185 U 0784 2 %ELSE
186 U 0785 2     STATUS = EDT$WORKIO (%REF (.CODE), .RECORD_NO, .RECORD_DESC);
187 0786 2 %FI
188 0787 2
189 L 0788 2 %IF %BLISS (BLISS32)
190 0789 2 %THEN
191 0790 2
192 0791 2     IF ( NOT .STATUS)
193 0792 2     THEN
194 0793 2     BEGIN
195 0794 2
196 0795 2         IF (.EDT$$G_EDIT_MOD EQL CHANGE_MODE) THEN EDT$$SC_RESET ();
197 0796 2
198 0797 2         STR$FREE1 DX (.RECORD_DESC);
199 0798 2         EDT$$DEA_ALLHEAP ();
200 0799 2         SIGNAL_STOP (EDT$_PASSTATUS, 0, .STATUS, 0);
201 0800 2     END;
202 0801 2
203 0802 2 %FI
204 0803 2
205 0804 2     RETURN (.STATUS);
206 0805 2     END;

```

! End of routine CALLWIO

.TITLE EDT\$CALLWIO EDT\$CALLWIO - calls WORKIO routine  
.IDENT \V04-000\



EDT\$CALLWIO  
V04-000

EDT\$CALLWIO - calls WORKIO routine  
EDT\$CALLWIO - calls EDT work I/O routine

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VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]CALLWIO.BLI;1

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(3)

				0004 00000	.EXTRN	EDT\$\$WIOHNDLR, EDT\$\$SC_RESET	
					.EXTRN	EDT\$\$DEA_ALLHEAP	
					.EXTRN	STR\$FREE1_DX, EDT\$\$A_WORK_ROUT	
					.EXTRN	EDT\$\$G_WORK_ENV	
					.EXTRN	EDT\$\$G_EDIT_MOD	
					.EXTRN	EDT\$PASSTATUS	
					.PSECT	_EDT\$CODE, NOWRT, SHR, PIC, 2	
					.ENTRY	EDT\$\$CALLWIO, Save R2	: 0699
					SUBL2	#4, SP	
					MOVAL	3\$, (FP)	: 0738
					MOVL	EDT\$\$A_WORK_ROUT, R0	: 0783
					MOVQ	RECORD_NO, -(SP)	
					MOVL	CODE, 8(SP)	
					PUSHAB	8(SP)	
					MOVL	EDT\$\$G_WORK_ENV, R1	
					CALLS	#3, (R0)	
					MOVL	R0, STATUS	
					BLBS	STATUS, 2\$	: 0791
					TSTL	EDT\$\$G_EDIT_MOD	: 0795
					BNEQ	1\$	
					CALLS	#0, EDT\$\$SC_RESET	
					PUSHL	RECORD_DESC	: 0797
					CALLS	#1, STR\$FREE1_DX	
					CALLS	#0, EDT\$\$DEA_ALLHEAP	: 0798
					CLRL	-(SP)	: 0799
					PUSHL	STATUS	
					CLRL	-(SP)	
					PUSHL	#EDT\$PASSTATUS	
					CALLS	#4, LIB\$STOP	
					MOVL	STATUS, R0	: 0804
					RET		: 0805
					.WORD	Save nothing	: 0738
					CLRL	-(SP)	
					PUSHL	SP	
					MOVQ	4(AP), -(SP)	
					CALLS	#3, EDT\$\$WIOHNDLR	
					RET		

  

5E			04	C2	00002	
6D	005B		CF	DE	00005	
50	00000000G		00	DD	0000A	
7E	08		AC	7D	00011	
08	AE	04	AC	DD	00015	
		08	AE	9F	0001A	
51	00000000G		00	DD	0001D	
60			03	FB	00024	
52			50	DD	00027	
33			52	E8	0002A	
	00000000G		00	D5	0002D	
			07	12	00033	
00000000G	00		00	FB	00035	
		0C	AC	DD	0003C	1\$:
00000000G	00		01	FB	0003F	
00000000G	00		00	FB	00046	
			7E	D4	0004D	
			52	DD	0004F	
			7E	D4	00051	
	00000000G		8F	DD	00053	
	00		04	FB	00059	
	50		52	DD	00060	2\$:
			04		00063	
			0000		00064	3\$:
			7E	D4	00066	
			5E	DD	00068	
	7E	04	AC	7D	0006A	
00000000G	00		03	FB	0006E	
			04		00075	

; Routine Size: 118 bytes, Routine Base: \_EDT\$CODE + 0000

: 207 0806 1  
: 208 0807 1 !<BLF/PAGE>

EDT\$CALLWIO  
V04-000

EDT\$CALLWIO - calls WORKIO routine  
EDT\$CALLWIO - Calls EDT work I/O routine

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VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]CALLWIO.BLI;1 Page 6 (4)

: 210 0808 1 END  
: 211 0809 1  
: 212 0810 0 ELUDOM

! End of module CALLWIO

.EXTRN LIB\$STOP

PSECT SUMMARY

: Name Bytes Attributes  
: \_EDT\$CODE 118 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
-\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	2	0	40	00:00.2
-\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1
-\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	0	0	581	00:04.0

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:CALLWIO/OBJ=OBJ\$:CALLWIO MSRC\$:CALLWIO.BLI/UPDATE=(ENH\$:CALLWIO  
: )

: Size: 118 code + 0 data bytes  
: Run Time: 00:16.8  
: Elapsed Time: 00:30.5  
: Lines/CPU Min: 2898  
: Lexemes/CPU-Min: 7738  
: Memory Used: 83 pages  
: Compilation Complete



0130 AH-BT13A-SE  
VAX/VMS V4.0

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